

Chemical Formula

Tells the _____ number of atoms of each element in a _____.

Molecular: (_____ bonding)

Formula represents the number of _____ of each
_____ in a single _____.

Ionic: (_____ bonding)

Formula represents the _____ of
positive and negative _____ in one _____.

Ionic Bond

The _____ that binds _____ charged _____
together.

Metals

- _____ electrons
- ions are _____ charged
- _____

Nonmetals

- _____ electrons
- ions are _____ charged
- _____

Writing Ionic Formulas

1. Write the _____ for the _____.
 - The _____ is written first.
 - The _____ is written second.
2. Determine the _____ on each ion.
3. Select _____ that will make the _____ charge equal to the _____ charge.

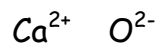
examples: sodium chloride

magnesium chloride

Criss-Cross Method for Formula Writing

- Write symbol of _____ followed by symbol of _____ along with their _____.
- Use the _____ of the charge of each ion as the _____ for the other.
- If a subscript is _____, omit it.
- If the subscripts are the same, _____ them.
- Subscripts must be simplified in an ionic formula.

Examples:



The Chemistry Quiz

CR1. _____

CR2. _____

1. _____

2. _____

3. _____

4. _____

5. _____

CHEMISTRY: A Study of Matter

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